SECTION C OAK RIDGE CLOSURE PROJECT STATEMENT OF WORK

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C.1 OAK RIDGE (OR) CLOSURE PROJECTS

C.1.1 Contract Purpose and Overview

This is a Cost-Plus-Incentive Fee (CPIF) closure contract that includes cost and schedule performance incentives. The CPIF closure contract shall begin on October 1, 2003. The closure contract reflects the application of performance-based contracting approaches and techniques that emphasize results/outcomes and minimize "how to" performance descriptions. The Contractor has the responsibility for performance under the contract, including determining the specific methods for accomplishing the work. Purposes of the contract include safely meeting the end-state objectives, compliance with regulatory requirements, preparation of plans and installation of infrastructure necessary for long term monitoring and surveillance, support of post Fiscal Year (FY) 2008 Balance of Program (BOP) long-term planning, and transfer of facilities to the Community Reuse Organization of East Tennessee (CROET) for industrial use and/or to the principle line management organization in the case of waste generation.

C.1.2 End-State

The following End-States shall be completed in accordance with this Statement of Work and the terms of the Contract:

- Melton Valley (MV) Site Completion specified in Section C.2 shall be completed by September 30, 2006.
- East Tennessee Technology Park (ETTP) Site Completion specified in Section C.3 shall be completed by September 30, 2008
- BOP projects specified in Section C.4 shall be completed by September 30, 2008.
- All Oak Ridge Reservation Legacy Waste specified in Section C.5 shall be dispositioned by September 30, 2008. All Legacy Low-Level Waste (LLW) and Legacy Mixed Low Level Waste (MLLW) shall be dispositioned by September 30, 2005.

Although this contract does not include long term surveillance and maintenance (LTSM), the Contractor shall prepare the necessary plans and install the infrastructure necessary to support LTSM of the End State remedies. This includes any required Institutional Controls. Any LTSM required prior to contract completion shall be provided by the Contractor. The Contractor shall assure smooth transition to the next Contractor(s) (or other entity) as specified by DOE. For other requirements refer to section C.6.

All documentation required to demonstrate accomplishment of the four End States described above shall be prepared by the Contractor and accepted by DOE as a condition for determining completion of the work and for determining each End State completion date. A comprehensive exit plan/strategy shall be prepared by the Contractor and approved by DOE to define the process, plans and other deliverables necessary to meet this requirement, including interim completion notices. This plan shall be completed within six months of the award of this contract. The exit plan/strategy shall also define specific end states for each facility or activity which comprise each of the four end states.

C.1.3 Contractor Performance

The Contractor shall furnish all personnel, facilities, equipment, material, services and supplies and otherwise do all activities necessary to accomplish work in a safe, integrated, effective, and efficient manner.

The Contractor shall be responsible for all planning, integration, management, and execution of programs, projects, operations and other activities as described in this SOW. This will include the utilization of information, material, funds and other property of the DOE; the collection of revenues; and the acquisition, sale, or other disposal of Government property for the DOE. Any work that is complete and accepted by DOE, but requires ongoing surveillance, maintenance, and/or monitoring shall be the responsibility of the Contractor through completion of the contract or until transferred to another program, which ever occurs first. The Contractor shall implement and maintain the Oak Ridge Environmental Management Accelerated Closure Project (OREMACP) baseline as required in the clause entitled "Project Control Systems and Reporting Requirements" in Section H. Also, the Contractor shall maintain the ORO EM Life Cycle Baseline (LCB) and ensure the integration of the work included in this contract into the LCB.

The Contractor shall be responsible for providing all oversight and project management functions to enable the safe completion of the work. In addition, the Contractor is responsible for the operations, environmental protection, safety, health, and quality assurance within its own organization and its subcontractors.

C.1.4 Agency Agreements

The Contractor must comply with the Federal Facility Agreement (FFA), implemented January 1, 1992, and its associated documents and milestones, the "Oak Ridge Performance Management Plan" dated August 28, 2002, Revision 6, and the Oak Ridge Accelerated Cleanup Plan Agreement dated June 18, 2002. The current FFA milestones are documented in Appendix E of the FFA. The FFA milestones can be modified annually with collective agreement of DOE and the regulators. The Contractor must also comply with all applicable environmental permits and compliance documents.

C.2 MELTON VALLEY CLOSURE

Work required for achieving the Melton Valley End State includes but is not limited to the following. By September 30, 2006, the Contractor shall:

- (1) Perform the remedy specified in the Record of Decision for Interim Action for the Melton Valley Watershed at the Oak Ridge National Laboratory, Oak Ridge, Tennessee [DOE/OR/01-1826&D3; dated September 2000], as modified by the anticipated Explanation of Significant Differences (ESD) for the MV ROD;
- (2) Comply with the Dispute Resolution Agreement with the State of Tennessee under the Federal Facility Compliance Act (FFCA) Site Treatment Plan (STP) for the ORR, signed September 2000 for the containerized TRU waste in the 22-Trench Area in SWSA 5 north:

- (3) Complete the tank remediation program at ORNL in accordance with the Record of Decision for Interim Actions in Bethel Valley (BV) dated May 2002;
- (4) Ship repackaged SNF to an approved off-site facility per the Programmatic Environmental Impact Statement ROD (60 CFR 28680);
- (5) Disposition all non-TRU waste currently staged in MV;
- (6) Demobilize and transition the site as directed by DOE; and
- (7) Complete and obtain DOE and Regulatory approval of project completion reports, in accordance with the Comprehensive Exit Plan/Strategy. The Contractor shall obtain DOE and regulatory approval of the Melton Valley RAR by September 30, 2007.

The following units associated with MSRE, though part of the MV ROD selected remedy, are currently excluded from this contract. The Contractor shall perform all necessary surveillance and maintenance of these facilities throughout the term of this contract.

- 8A.1C Molten Salt Reactor Experiment (MSRE) Diesel Generator House 7555
- 8A.1F MSRE Filter Pit (Off-Gas Filter House)(7511)
- 8.C MSRE Stack (7512)
- 8.D MSRE Supply Air Filter House Building (7514)
- 8.E MSRE Tanks VT-1 (condensation tank)
- 8.F MSRE Tanks VT-2 (expansion tank)

C.2.1 General Scope Descriptions

The following are descriptions of work anticipated to achieve MV closure, but are not all-inclusive of the requirements in the aforementioned regulatory documents.

C.2.1.1 Hydrologic Isolation

The Contractor shall install multi-layer caps in SWSAs 4, 5, and 6 and in portions of the Seepage Pits and Trenches Area. Designs will meet RCRA closure requirements and will be approved by the regulators in the Remedial Design Report (RDR). Upgradient diversion trenches shall be installed in SWSAs 4 and 6 and a portion of the Seepage Pits and Trenches Area to intercept upgradient storm flow and shallow groundwater before they flow through waste areas. Surface water shall be routed around caps using perimeter ditches. Collection drains shall be installed downgradient of capped areas in SWSA 4, SWSA 5 South, and in the Seepage Pits and Trenches Area. The collected groundwater shall be treated to meet discharge limits.

C.2.1.2 Buried TRU Waste Retrieval

The Contractor shall remove buried TRU waste from the 22-Trench Area in SWSA 5 North. The removed waste shall be placed in overpacks (supplied by DOE) and boxes; and staged in appropriate areas; and transported to the TRU Waste Processing Facility

when directed by DOE. Soil exceeding remediation levels in the MV ROD and debris waste associated with the excavation shall be disposed at either a permitted commercial disposal facility or government disposal facility.

C.2.1.3 Impoundments

The Contractor shall excavate and dispose sediments and soils from the HRE Pond and the HFIR Collection Basins, at either a permitted commercial disposal facility or government disposal facility. The cryogenic barrier on the previously filled and capped HRE Pond will be maintained until pond sediment and contaminated soil in the area are removed.

C.2.1.4 Floodplain Soils

The Contractor shall remove floodplain soil radiologically contaminated at levels greater than 2500 μ R/hour. Removed soil shall be disposed at either a permitted commercial disposal facility or government disposal facility, or used as contour fill under one of the various multilayer caps. Any wetland areas that are disturbed as a result of soil or sediment removal shall be restored or replaced within the White Oak Creek watershed through mitigation strategies developed in cooperation with the regulators' wetlands programs.

C.2.1.5 Contaminated Surface Soils

The Contractor shall remove contaminated surface soils above remediation levels throughout Melton Valley in accordance with "Remediation Levels" section 2.11.7.3 in the MV ROD. The excavated contaminated surface soil shall be disposed at an approved facility, or used as contour fill under one of the various multilayer caps.

C.2.1.6 Inactive Pipelines

The Contractor shall remove, stabilize, or isolate inactive waste pipelines in accordance with "Inactive Pipelines" section 2.11.1.8 in the MV ROD.

C.2.1.7 Facility Decontamination and Demolition

The Contractor shall demolish to slab inactive buildings and other aboveground structures, identified in the MV ROD Appendix A. Subsurface structures shall be stabilized. Stabilization will be preceded by removal or fixation of transferable contamination. Demolition waste shall be disposed at either a permitted commercial disposal facility or government disposal facility.

C.2.1.8 Tank Remediation

The Contractor shall stabilize by grouting belowground inactive tanks and remove aboveground tanks identified in the MV ROD Appendix A. Surrounding contaminated soils are treated as other soils and shall be removed, if located outside of capped areas

and remediation levels are exceeded. Excavated soils shall be disposed at an approved facility, or used as contour fill under one of the various multilayer caps.

C.2.1.9 Water Treatment

The Contractor shall treat water generated as a result of cleanup actions (such as dewatering of HFIR Impoundments, displaced water from ISV, water generated from well P&A activities, and well development water generated from the installation of groundwater monitoring wells) at existing ORNL water treatment facilities. These facilities include the Process Waste Treatment Plant, Nonradiological Wastewater Treatment Plant, and Liquid Low-Level Waste Evaporation Facility. Groundwater collected from downgradient collection trenches will be transported to a treatment system. The actual water treatment configuration will be established during detailed design as approved by the regulators in the RDR.

C.2.1.10 In-Situ Vitrification

The Contractor shall complete ISV of waste contained in Trenches 5 and 7. The actual ISV configuration shall be established during detailed design, and obtain approval by DOE and the regulators in the RDR.

C.2.1.11 In-Situ Grouting

The Contractor shall grout in-situ the HRE Fuel Wells in the Seepage Pits and Trenches Area. The actual in situ grouting configuration will be established during detailed design as approved by the regulators in the RDR.

C.2.1.12 Well Plugging & Abandonment

The Contractor shall plug and abandon (P&A) all existing wells not required for monitoring. The four hydrofracture injection wells and associated monitoring wells shall be plugged and abandoned. In addition, P&A will be performed on many other, typically shallow groundwater monitoring wells that interfere with installation of multilayer caps and other remediation activities.

C.2.1.13 Environmental Monitoring

Details of surface water and groundwater monitoring shall be developed and approved by the regulators during the remedial design process. In accordance with MV ROD Section 2.11.2.4, "Ecological Monitoring," the contractor shall prepare an ecological monitoring plan in consultation with the U. S. Fish and Wildlife Service.

C.2.1.14 Land Use Controls

The Contractor shall implement land use controls, as appropriate, in accordance with MV ROD Section 2.11.3 "Land Use Controls," and MV ROD Table 2.13.

C.2.1.15 Scope Clarification Relative to the MV ROD

The Contractor shall demolish to slab waste storage facilities (7878, 7842, and 7848) and dispose demolition waste under the SWSA 6 cap. The Contractor shall demolish to slab Straw Shed 7831-C dispose demolition waste under the SWSA 5 cap. The Contractor shall remove contents of Active LLLW Slotting Tank T-13 and grout tank in place. The Contractor shall remove equipment from 7841 Equipment Storage Area and remediate soil as required by the ROD.

C.2.1.16 Scope In Addition to the MV ROD

The Contractor shall demolish to slab Storage facilities (7863-B, 7842-A, 7822-J, 7878-A &B, 7842-B & C, unidentified Rubb Tent across from 7878-A, and unidentified material storage sheds) and dispose waste under the SWSA 6 cap. The Contractor shall demolish the following facilities: SWSA 6 7857 Drainage and Collection System/Biological Freezers, 7891 Metal Trailer, and 7847 Vehicle Monitoring Stations; 7810-A Interim Non-regulated Waste Storage; HRE Cryogenic Equipment House and LGWOD Maintenance Support Offices (7505); HFIR Process Waste Pumping Station (7952) and Tank T1, T2 Central Pumping Station (7567); and SWSA 5 Well Driller's Area Tank. The Contractor shall dispose all waste at either a permitted commercial disposal facility or government disposal facility.

C.2.1.17 Spent Nuclear Fuel

The Contractor shall manage SNF that is stored in MV until it can be shipped off site; prepare, package, manifest, track, and ship SNF to INL by December 31, 2003; and package, document, store, and transport the residual waste from the SNF repackaging for processing by the TRU Waste Processing Facility in time to meet the TWPF processing schedule.

C.3 EAST TENNESSEE TECHNOLOGY PARK CLOSURE (ETTP)

C.3.1 General Scope Descriptions

The following are descriptions of work anticipated to achieve ETTP closure, but are not all-inclusive of the requirements in the applicable regulatory documents. Where utility reconfigurations are required to accommodate CROET leases, the Contractor shall provide 180 days written notice to DOE and CROET for the relocation of utilities if required to meet Contract requirements.

The Contractor shall develop and implement a graded approach to maintenance commensurate with the facility condition and schedule for demolition. The Contractor shall determine the minimum appropriate level to maintain the facility in a safe condition until demolition. The Contractor may implement a "run to failure" approach to maintenance for nonessential equipment as approved by the CO. The Contractor shall coordinate with the CO to tailor DOE maintenance and reporting requirements intended for operational facilities (e.g., failed equipment reporting as required by DOE Order

5480.19, Chapter VIII, and DOE O 430.1A, and DOE O 232.1A, Occurrence Reporting and Processing of Operating Information).

C.3.1.1 Remedy Specified in the Zone 1 ROD

The Contractor shall implement the remedy specified in the Zone 1 ROD to include, but not limited to the following:

- Excavate the Blair Quarry burial area and associated contaminated soil, and dispose at an approved facility. Unless excavation of contaminated soil is determined to be necessary for groundwater protection, excavation will not go beyond 10 ft below grade surface (bgs).
- Excavate miscellaneous contaminated soil in the K-895 Cylinder Destruct Facility area and in the Powerhouse Area (includes K-725 Beryllium Building Slab), and dispose at an approved facility. Unless excavation of contaminated soil is determined to be necessary for groundwater protection, excavation will not go beyond 10 ft bgs.
- Remove scrap-metal and debris from the K-770 Area and dispose at an approved facility.
- Remove sludge and demolish the K-710 sludge beds and Imhoff tanks and disposal at an approved facility.
- Implement the LUCs to prevent exposures to contamination known to exist in Zone 1 surface and subsurface areas, including groundwater, and to contamination which may be present in those Zone 1 areas where characterization is incomplete.
- Implement the Dynamic Verification Strategy including any additional remedial actions and changes to the ROD.

C.3.1.2 Remedy Specified in the Zone 2 ROD

The Zone 1 ROD recognizes that there will be two additional RODs; a Zone 2 ROD and a Site-Wide ROD. The Zone 2 ROD will determine the required remedy within the central and industrialized area of the site. The Contractor shall prepare all the necessary CERCLA documentation which will result in an approved remedy. The Contractor shall then implement the remedy to achieve an end state which results in an unrestricted industrial land use, unless otherwise specified in the ROD.

Major components of the Zone 2 ROD include remedy selection; remediation of soils, debris, and at/below grade manmade structures; certification; and obtaining DOE and Regulatory approval of completion reports. The Contractor shall also continue any required surveillance, maintenance, and monitoring during the term of the contract.

C.3.1.3 Remedy Specified in the Site-Wide ROD

The Zone 1 ROD recognizes that there will be two additional RODs; a Zone 2 ROD and a Site-Wide ROD. The Site-Wide ROD will address the groundwater remedy and remedial actions, if any, remaining to be implemented to achieve the desired unrestricted industrial land use end-state. The Contractor shall prepare all the necessary CERCLA documentation which will result in an approved remedy, and shall implement the remedy.

In the event that the groundwater portion of the remedy (as required by the site-wide ROD) extends beyond the declaration of completion of all ETTP activities, the Contractor shall complete the planning, install the infrastructure necessary to implement the remedy, and conduct the remedy until transferred. The Contractor shall assist DOE in transitioning responsibility to the follow-on contractor. The Contractor shall also continue any required surveillance, maintenance, and monitoring during the term of the contract.

C.3.1.4 Remedies Specified in the Action Memorandums

The Contractor shall disposition all man-made structures in accordance with the applicable Action Memorandums. These facilities range from the K-25/K-27 process buildings to low complexity, low radiological contaminated facilities such as valve houses. Facilities demolition work includes, but is not limited to, planning; deactivation of utilities; asbestos and other hazardous materials abatement; equipment dismantlement and disposal; structure decontamination and demolition, and waste disposal. The Contractor shall also dispose of other minor structures such as trailers, sheds, and canopies.

C.3.1.5 UF6 Cylinder and Other Radioactive Sources Disposition

There are approximately 7000 UF₆ cylinders stored at ETTP and designated for processing at the DOE Portsmouth, Ohio facility under a separate prime contract to DOE. In addition, highly enriched uranium materials designated as inventory, Special Nuclear Material, Radioactive Low Specific Activity material, contaminated Lithium and radioactive sources exist at the ETTP. The Contractor shall properly manage this material and carry out all activities necessary to disposition and remove the material from the site. This work includes but is not limited to cylinder inspection and maintenance, monitoring, characterization, over-pack design and fabrication, packaging, transportation and transfer, sale or disposal at an approved facility. Upon cylinder disposition, the Contractor shall remediate the cylinder yards in accordance with the Zone 2 ROD.

C.3.1.6 ETTP Waste Operations

C.3.1.6.1 TSCA Incinerator

The Contractor shall operate the Toxic Substances Control Act Incinerator (TSCAI) for the treatment of DOE waste in compliance with Federal and state regulations and permits. DOE waste includes waste from any facility within the DOE Complex. Responsibilities include; facility operation and maintenance, waste acceptance, waste repackaging, developing and maintaining a burn plan, acquiring any permits, disposal of residues and secondary waste from operations included in the scope and final closure of the facility in

accordance with permits. The Contractor shall be responsible for notifying, responding to, or otherwise coordinating with the regulators regarding compliance issues, as required by permits and regulations. The Contractor shall operate TSCAI through September 30, 2006.

C.3.1.6.2 Central Neutralization Facility (CNF)

The Contractor shall operate the CNF in compliance with the Clean Water Act and Clean Air permits issued to the facility, as well as applicable federal and state regulations. Wastewater for treatment includes, but is not limited to the TSCAI, the ETTP Steam Plant, environmental restoration (ER) activities, EMWMF leachate, and any other wastewaters as directed by DOE. The Contractor shall be responsible for the final closure of the facility in accordance with permits.

C.3.1.7 Transportable Compressed Gas Recontainerization System (TCGRS)

The Contractor shall complete closure of TCGRS in compliance with applicable federal, state and DOE requirements.

C.3.1.8 Landlord Responsibilities

The Contractor shall be responsible for all landlord activities for the ETTP not otherwise provided under DOE lease or contract. Major components of the work include but are not limited to:

- Fire Protection Program,
- Electrical power distribution to the ETTP site.
- Safeguards and Security program
- Groundskeeping and maintenance
- Environmental, safety and health programs other than those conducted by tenants or other prime contractors to DOE
- Access control/badging/lock and key (ref. C.6.4.2)

C.3.1.9 Support Reindustrialization

The Contractor shall support the potential title transfer of target facilities identified by DOE and the Community Reuse Organization of East Tennessee (CROET). The facilities targeted for title transfer are shown below. Prior to facility transfer, the Contractor shall support ongoing DOE responsibilities in the area of Reindustrialization as follows:

- Interface with current and potential tenants and provide necessary support assistance to DOE throughout the lease cycle until the building transfer is complete;
- Assist DOE with outreach programs to periodically status the reindustrialization program;
- Coordinate and produce requested NEPA, safety, and environmental documentation in support of reindustrialization efforts;

- Provide facility drawings and plans, badging support, and tour support to facilitate reindustrialization opportunities; and
- Facilitate title transfer (including compliance with CERCLA Section 120(h)

The Contractor shall identify to DOE and CROET the date for each facility by which title must transfer to be cost effective. If the title is not transferred by the Contractor's identified date, the Contractor shall decontaminate and demolish the building and remediate the area beneath the building in accordance with the Zone 1, 2 and Site-Wide RODs.

Target Facilities for Transfer

K-708	K-1513
K-709	K-1515
K-1007	K-1515H
K-1035	K-31
K-1036	K-791B
K-1225	1037
K-1310 Trailers	K-1652
K-1330	Railroad
K-1400	K-29
K-1580	K-1065-A, B, C, D, E
K-33	K-1547
K-1000	K-1650
K-1039	
K-1039-1	

C.4 BALANCE OF PROGRAM (BOP)

Balance of Program scope described in sections C.4, C.5, and C.6 herein, consists of all work activities not included in ETTP, MV, Legacy LLW, and Legacy MLLW, including but not limited to high priority risk-reduction projects at Y-12, ORNL, and offsite. Additionally the scope includes waste management, infrastructure surveillance and maintenance, general site operations, and planning for the remainder of EM actions in Oak Ridge.

C.4.1 Completion Definition

The Contractor shall accomplish the work in Section C.4, consisting of (1) performing the RAs specified in approved CERCLA documentation; (2) disposition of newly generated (NG) waste; (3) closure, demolition or transition of waste storage, waste operations or other excess EM facilities within BOP scope; and (4) obtaining DOE and Regulatory approval of completion reports.

C.4.2 Y-12 Plant High Priority Risk Reduction Projects

C.4.2.1 9201-2 Water Treatment System

In accordance with the Upper East Fork Poplar Creek (UEFPC) Phase I ROD (DOE/OR/01-1951&D3), the Contractor shall design, construct, and operate the Building 9201-2 Water Collection and Treatment System to mitigate off-site mercury surface water releases to UEFPC by achieving the mercury concentrations stated in the ROD. The Contractor shall demolish the existing treatment system and properly dispose of demolition material.

C.4.2.2 East End Volatile Organic Compound (EEVOC) Plume Bioremediation

In accordance with the approved treatability study work plan (DOE/OR/01-1931&D2), the Contractor shall evaluate the efficacy of in-situ bioremediation to enhance and/or replace the existing pump and treat system for the EEVOC Plume at the Y-12 Complex. The contractor shall complete the small-scale pilot test as described in the work plan, submit the treatability study report to DOE and the regulators for approval, and submit the final action memorandum addendum to DOE and the regulators for approval.

C.4.2.3 Boneyard/Burnyard

In accordance with the Bear Creek Valley (BCV) ROD (DOE/OR/01-1750&D4), the Contractor shall complete site restoration activities at the Boneyard/Burnyard, and all necessary completion documentation.

C.4.2.4 UEFPC Soils ROD

The Contractor shall prepare and obtain DOE and regulator approval of a CERCLA ROD for UEFPC soils that will achieve defined risk goals.

C.4.3 ORNL High Priority Risk Reduction Projects

C.4.3.1 Bethel Valley (BV) Groundwater Engineering Study

In accordance with the approved BV ROD (DOE/OR/01-1862&D4), the Contractor shall complete and obtain DOE and regulator approval of the BV Groundwater Engineering Study to supplement existing groundwater data, further identify sources of groundwater contamination, and to support planned remedial actions.

C.4.3.2 Corehole 8 Plume Source

In accordance with the approved AM (DOE/OR/01-1749&D1), the Contractor shall complete the Corehole 8 removal action, including tank W-1A removal, surrounding contaminated soil, and backfill the resulting pit. Wastes shall be disposed at either a permitted commercial disposal facility or government disposal facility. The Contractor shall obtain DOE and regulator approval of all completion documentation.

C.4.3.3 Surface Impoundments Operable Unit (SIOU)

The Contractor shall complete all activities in accordance with the SIOU Record of Decision, including sediment and sub-impoundment soil removal and stabilization, waste

disposal, treatment plant demolition, site restoration, demobilization, and obtain DOE and regulator approval of completion documentation.

C.4.3.4 Molten Salt Reactor Experiment

The Contractor shall complete the selected remedy delineated in the ROD for Interim Action to Remove Fuel and Flush Salts from the MSRE Facility at the ORNL, Oak Ridge, Tennessee (DOE/OR/02-1671&D2; MSRE ROD), signed July 1998, as modified by the proposed ESD for the MSRE ROD. The Contractor shall extract the uranium fuel and fuel salts from the MSRE flush and drain tanks, downblend the uranium material, and disposition the removed material in the Melton Valley Storage Tanks. The Contractor shall prepare and obtain DOE and regulator approval of completion documentation. The Contractor shall complete D&D studies and EE/CA to support post-FY08 D&D accomplishment.

C.4.3.5 Tower Shielding Facility

The Contractor shall defuel the Tower Shielding Facility. Work includes but is not limited to prepare/revise the associated safety documentation, emergency management, and safeguards and security plans; remove and package the fuel; and ship the fuel to an approved disposal facility.

C.4.3.6 TRU Waste Treatment Technical Support

The Contractor shall provide technical support to DOE in their oversight of the TRU Waste Treatment contract.

C.4.4 Offsite Projects

The Contractor shall complete all obligations of the Consent Orders (TDEC case numbers 90-3442, 90-3443, 90-3444, and 88-3434) and Memorandums of Understanding Regarding the Implementation of Consent Orders for remediation activities at three contaminated privately owned sites. These activities include but are not limited to those outlined below.

C.4.4.1 David Witherspoon 901 Site

The Contractor shall conduct removal actions of contaminated buildings, debris, soil and sediments, finalize the RI/FS, determine the groundwater classification, perform surveillance and maintenance, provide technical support to the Tennessee Department of Environment and Conservation (TDEC) resulting in a no-action or limited action ROD and issuance of a TDEC Letter of Completion.

C.4.4.2 David Witherspoon 1630 Site

The Contractor shall conduct removal actions of contaminated debris, soil and sediments, upgrade landfill cap, determine the groundwater classification, perform surveillance and

maintenance, and provide technical support to the TDEC resulting in a no-action or limited action ROD and issuance of a TDEC Letter of Completion.

C.4.4.3 Atomic City Auto Parts

The Contractor shall dispose the TDEC-generated removal action waste, finalize the remedial investigation/feasibility study, perform surveillance and maintenance, and provide technical support to the TDEC resulting in a no-action or limited action ROD and issuance of a TDEC Letter of Completion.

C.4.5 Waste Management Facility Transfer

The Contractor shall support the transfer of WM facilities identified in Appendix F. Support includes, but is not limited to, permit modifications/transfers, assignment of subcontracts, and any other administrative requirements necessary to accomplish the transfer.

C.4.6 Newly Generated Waste Management

The Contractor shall operate and maintain the WM systems (storage, treatment, and disposal) to provide systems that are available to accept, stage, store, treat (as needed), and dispose wastes and materials generated at the ORNL, Y-12 and ETTP sites. At Y-12 and ORNL, the Contractor shall operate the WM systems until transferred. These facilities are identified in Appendix F.

C.4.7 Waste Operations

C.4.7.1 ORNL Waste Operations

The Contractor shall operate and maintain the Liquid Low Level Waste System, Gaseous Waste System, and Process Waste System to provide systems that are available to accept, treat, and dispose of wastes generated by ongoing research and development, environmental restoration, D&D, and other ORNL/DOE programs. Operations shall be conducted in compliance with environmental permits issued to the facilities. The Contractor is responsible for operating and maintaining systems and subsystems required to support operations until facilities and related scope are transferred.

C.4.7.2 Y-12 Waste Operations

The Contractor shall operate and maintain the liquid and solid waste treatment systems to provide the systems that are available to accept, treat, and dispose of wastes generated by ongoing production, research and development, environmental restoration, D&D, and other Y-12 Plant/DOE programs. Operations shall be conducted in compliance with any and all environmental permits issued to the facilities. The Contractor shall focus on the use of cost effective innovative approaches and creative ideas in performing waste operations. Facilities included in operations scope are West End Treatment Facility, Central Pollution Control Facility, EEVOC, East End Mercury Treatment Facility,

Central Mercury Treatment Facility, Groundwater Treatment Facility, and Uranium Chip Oxidation Facility until such time as facilities are transferred.

C.4.7.3 Environmental Management Waste Management Facility

The Contractor shall operate and maintain the EMWMF for the purpose of accepting CERCLA waste. The Contractor shall be responsible for the design and closure of existing cells, and the design and construction of additional capacity as necessary to meet life cycle waste disposal needs. Responsibilities include managing the facility waste acceptance criteria (WAC) in accordance with approved plans and procedures to maximize the cells capacity in the most cost effective manner.

C.4.7.4 ORR Sanitary/Industrial Landfills

The Contractor shall operate and maintain the ORR Landfills consisting of Sanitary/Industrial and Construction/Demolition Landfills located at the Y-12 Site. The landfills shall be operated in accordance with permits, regulations, and orders. The Contractor shall accept and disposition waste meeting the WAC from all three sites and approved generators. The Contractor shall also be responsible for the design, construction and operation of landfill expansions and landfill closures as required to maintain landfill capacity.

C.5 LEGACY WASTE STORAGE AND DISPOSAL

The Contractor shall safely manage, treat, and dispose (dispose means accepted by receiver/disposal site) all legacy low level waste and legacy mixed low level waste stored on the ORR by September 30, 2005. The Contractor shall safely manage and dispose all other legacy waste stored on the ORR by September 30, 2008. Other legacy waste includes, but is not limited to Legacy PCB FFCA waste, and ORR legacy Industrial/Chemical Waste. Legacy waste (other than ORR legacy Industrial/Chemical Waste) is documented in the Comprehensive Waste Disposition Plan dated March 2003.

Major components of the work include, but are not limited to:

- Documented evidence of the origin, storage, treatment, and disposal of waste types for the purpose of waste and compliance tracking and regulatory reporting;
- Safe storage which includes those activities necessary to provide safe and stable conditions of the waste, waste containers, storage facilities and/or structures, and monitoring and operating equipment
- Characterizing, profiling, packaging, treatment as required, manifesting, land disposal restrictions (LDR) compliance, shipment, tracking, and compliant disposal.
- Obtaining approval of RCRA closure in place and in-situ capping of MW identified in the ORR STP as East Chestnut Ridge Waste Pile.
- RCRA closure of ORR MW facilities, unless transitioned or transferred
- TSCA and/or RCRA closure of PCB FFCA waste facilities, unless transitioned or transferred

- RCRA closure of ORR hazardous waste facilities, unless transitioned or transferred
- Transport of stored TRU waste to the TRU Waste Processing Facility in time to meet the TWPF processing schedule.
- RCRA closure of mixed TRU waste facilities, unless transitioned or transferred.
- Closure of LLW facilities, unless transitioned or transferred

C.6 GENERAL PROJECT SUPPORT

In the course of executing the work required to achieve the end points described in Section C, the Contractor shall conduct the following program support activities. These activities provide the infrastructure and general program operations necessary to support the EM Program closure mission.

C.6.1 Planning for Post FY08 Actions

The Contractor shall provide project planning and baseline support for the remaining cleanup decisions and actions that are necessary to complete the EM mission in Oak Ridge by 2015. The remaining cleanup actions include the Bear Creek burial grounds; The White Wing Scrap Yard; UEFPC soils, groundwater, and surface water; BV soils, sediments, and groundwater; Chestnut Ridge; Disposal Area Remedial Action; Alpha 4 and other excess EM facilities at Y-12 and ORNL; and surplus waste storage facilities at Y-12 and ORNL. Basic remediation strategies for these actions will be developed and documented in the lifecycle baseline.

C.6.2 Long-Term Surveillance and Maintenance, Environmental Monitoring and Reporting

The Contractor shall conduct required long-term surveillance and maintenance (LTSM), environmental monitoring, and reporting for remediated sites in compliance with laws, regulations, permits, agreements, DOE orders, and decision documents. These LTSM activities shall ensure that each site/facility remains in a safe and stable condition, monitoring and safety-related systems and equipment remain operable, site security and access controls are continuously provided, structural integrity is maintained, and the requirements of applicable CERCLA decisions are followed. The Contractor shall perform all required sediment, surface water, and ground water monitoring for contaminant transport modeling and determination, remedial effectiveness determination, and exit pathway evaluation and determination. The Contractor shall also conduct environmental monitoring and reporting in support of emergency response activities.

The Contractor shall perform environmental monitoring to verify the effectiveness of remedial actions and the protection of ecological receptors, and to support future decision-making. Surface water and groundwater monitoring shall be employed as appropriate to verify compliance with ARARs and to verify reduction of off-site contaminant releases to acceptable levels. Postremediation radiation surveys and sampling (including sampling for radionuclides and nonradionuclides, such as metals,

organics, and PCBs) will be performed to ensure that remedial actions are protective of human health.

The Contractor shall provide updates to required environmental monitoring reports including, but not limited to, the Remediation Effectiveness Report, the Annual Site Environmental Report, CERCLA 5-year reviews, and updating the CERCLA Administrative Record.

C.6.3 Surveillance and Maintenance

The Contractor shall develop and implement a graded approach to surveillance and maintenance commensurate with the facility condition and schedule for demolition. The Contractor shall determine the minimum appropriate level to maintain the facility in a safe condition until demolition. The Contractor may implement a "run to failure" approach to maintenance for nonessential equipment as approved by the CO. The Contractor shall coordinate with the CO to tailor DOE surveillance and maintenance and reporting requirements intended for operational facilities (e.g., failed equipment reporting as required by DOE Order 5480.19, Chapter VIII, and DOE O 430.1A, and DOE O 232.1A, Occurrence Reporting and Processing of Operating Information).

The Contractor shall perform surveillance and maintenance of all remaining EM sites and facilities to ensure they continue in a safe and stable condition pending site remediation and/or facility demolition, in accordance with applicable regulatory, safety and security requirements through the contract period, or until they are dispositioned or transferred. The Contractor shall also provide the necessary S&M to maintain protectiveness following remedial action, monitor to assess the effectiveness of remedial action, and coordinate EM Program environmental monitoring throughout the Oak Ridge Reservation. The Contractor shall evaluate monitoring data, provide statements and certifications as to the effectiveness of remedial actions and implementation of land use controls and provide necessary reports on such findings. The scope includes S&M of inactive waste disposal areas, stabilization ponds, legacy material storage areas, tanks, leak sites, contaminated vegetation, former reactor facilities, former isotope production facilities, and former waste processing facilities. The contractor shall provide all necessary S&M activities which include, but are not limited to scheduled site inspections for status of equipment, structures, and safety parameters, RAD surveys, facility access and security control, vegetation control, landfill cap repairs, fence and gate repairs, subsidence repair, erosion control and repair, trash and debris pickup and disposal, snow removal at SWSA entrances, collection and disposal of groundwater from basins, basin wall monitoring, maintenance and repair to ditches and basin walls, site postings and signs, sample collection for waste characterization, waste packaging and transfer, roof repair and maintenance, filter testing and replacement, HVAC maintenance, elevator maintenance, and instrumentation calibration.

The Contractor shall conduct non-routine S&M activities including, but not limited to the deactivation of former reactor facilities, isotope production facilities, and waste processing facilities; disposition of radioactive sources; deactivation of unnecessary utilities; and disposition of surplus contaminated equipment.

C.6.4 Safeguards and Security

The Contractor shall provide appropriate levels of protection against unauthorized access; theft, diversion, loss of custody of special nuclear material; espionage; loss or theft of classified matter or Government property; and other hostile acts that may cause unacceptable adverse impacts on national security or the health and safety of DOE and Contractor employees, the public, or the environment. The Contractor shall adjust to the Security Condition (SECON) determined by DOE. The Contractor shall promptly prepare and submit applications for security clearances as required for work under this contract. Safeguards and Security requirements are stipulated in the List of Applicable Directives, Appendix E. The Contractor shall provide a computer security program to provide and maintain automated information systems, test systems and maintain networks, provide training, identify threats, vulnerabilities, and assess risks to the systems, and oversee subcontractor computer security programs.

C.6.4.1 Information Security

The Contractor shall maintain an information security program. This program will include, but not be limited to, OPSEC, protection of classified and unclassified automated information, and classification/declassification. The Contractor shall provide a Classification Officer who is authorized to exercise both derivative classification authority and derivative declassification authority, and assign classifications to appropriate documents, material and equipment originated or generated under this contract. The Contractor shall establish and implement a declassification capability that will provide compliance with the National Security Information declassification requirements in Executive Order 12958, and satisfy DOE directives regarding the conduct of ongoing declassification reviews of Restricted Data and Formerly Restricted Data.

C.6.4.2 Visitor Control/Badging/Lock and Key

The Contractor shall perform visitor control functions for visitors at ETTP. The Contractor is responsible for creation and issuance of the DOE standard badge to EM program personnel as necessary. The Contractor is also responsible for destruction of these badges and maintenance of records reflecting badge issuance and destruction. The Contractor shall implement a lock and key program for facilities and rooms. The Contractor shall provide combination changes and repairs to classified repositories.

C.6.5 Analytical Services

The Contractor shall provide Analytical Services and/or Laboratories as required to provide analytical data with sufficient quality to meet data quality objectives. The Contractor shall support DOE as participants on Laboratory audits.

Analytical Services and laboratories shall be operated in accordance with one or more of the following references: 10 CFR 830.120, DOE Order 414.1, ASME-NQA-1, ANSI/ASQC E4, and/or ISO 9000.

C.6.6 Public Relations and Media Support

The Contractor shall provide public relations services to include but not limited to stakeholder support, media relations, tours, visits, access to documents, update the Public Involvement Plan every 3 years, and prepare a Preliminary Assessment/Site Inspection Report. The Contractor shall provide necessary support to DOE and the FACA-chartered OR SSAB, including, but not limited to staff office support, meeting facilitation, publications and mailings, and travel.

C.6.7 Litigation Management

The Contractor shall maintain a legal function and demonstrate sound litigation management practices to include litigation, arbitration, legal advice on environmental matters, procurement, employment, labor, and the Price-Anderson Amendment Act. The Contractor shall also review and interpret legislation and laws; research and draft memorandum, and manage and oversee outside legal counsel.

The Contractor shall provide litigation support to the Government when judged necessary by the Contracting Officer (CO) (or CO Representative) in cases of actual or threatened litigation, regulatory matters, or third-party claims. Litigation support includes, but is not limited to: case preparation assistance; document retrieval, review and reproduction; witness preparation and testimony; expert witness testimony; and assisting Government counsel as necessary in response to discovery or other information related activities responsive to any legal proceeding.

The Contractor shall provide timely support for legacy litigation, management of legacy worker compensation claims, and responses to request for legacy documents. The legacy litigation support is provided in response to individual case requests by DOE legal staff or in response to other legally enforceable requirements. The management of legacy worker compensation claims includes claim investigation, support to DOE in estimating, evaluating, and managing such claims.

C.6.8 Audit Support Services

The Contractor shall provide audit support services for General Accounting Office, Inspector General, Defense Nuclear Facilities Safety Board, Environmental Protection Agency, TDEC and other external audits that examine and evaluate EM program activities.

C.6.9 Transportation Services

The Contractor shall be responsible for infrastructure services including, but not limited to, transportation, traffic management, shipping/receiving, vehicle and equipment maintenance, and management and mail services. In addition, the Contractor will provide telephone billing support to DOE. The Contractor will not be held liable for non-payment by tenants.

C.6.10 Health Effects

The Contractor shall provide for health programs/ambulatory care, beryllium and radiation worker health surveillance programs and personnel monitoring program. These services are required to assess, monitor, record data, and provide medical support for current site workers who are or may be exposed to radiological and hazardous materials. The Contractor shall maintain medical records of former workers and make them available for health effects studies as requested by DOE.

Medical records shall be maintained in accordance with Public Law 102-484, DOE Order 440.1, and will last until the program and documents are turned over to DOE at the end of this contract.

C.6.11 Occupational Health

The Contractor shall provide the following classes of examinations for the purpose of providing initial and continuing assessment of employee health: pre-placement in accordance with the Americans with Disabilities Act (42 United States Code 12101), qualification examinations, fitness for duty, medical surveillance and health monitoring, return to work health evaluations, and termination examinations. The occupational medical services shall be informed of job transfers and will determine whether a medical evaluation is necessary. The physician responsible for the delivery of medical services or his/her designee will inform Contractor management of appropriate employee work restrictions.

C.6.12 Post Retirement Medical Benefits and Long-Term Disability

The Contractor shall manage the post retirement medical benefits and long term disability program for ORR EM workers retiring on or after April 1, 1998. The Contractor shall support the post retirement medical benefits and long term disability program for ORR EM workers that retired prior to April 1, 1998

C.6.13 Emergency Management

The Contractor shall provide Emergency Management Services to include emergency planning and preparedness as well as response to possible incidents involving nuclear, radiological and hazardous materials on site.

Emergency management shall be performed at the levels specified in the List of Applicable Directives, Appendix E until the major nuclear facilities' hazards are removed or ameliorated, or the facilities are demolished. A reduced level of emergency services may be allowed once the major hazards are removed and as DOE approves them.

C.6.14 Nuclear Criticality Safety

The Contractor shall establish and maintain a criticality safety program that (1) applies to fissionable materials that are produced, processed, stored, transferred, disposed, or otherwise handled, (2) evaluates and documents operations with fissionable materials

which pose a criticality accident hazard, (3) utilizes a graded approach that is responsive to changing conditions resulting form various stages of facility D&D, (4) provides for mitigation of consequences to personnel and property form a criticality accident, and (5) addresses nuclear safety requirements established by laws and regulations, as well as applicable American Nuclear Society/ANSI nuclear criticality safety standards identified directly or referenced in the requirements set appended to this contract. Nuclear criticality safety requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.15 Nuclear Safety

The Contractor shall develop and maintain the safety analysis and controls for nuclear facilities, operations, and activities. Readiness determinations for restart of activities and for start-up of new activities shall be required to demonstrate readiness to safely start the activity. Nuclear safety requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.16 Occupational Safety

The Contractor shall meet occupational safety and health requirements (including but not limited to industrial safety, fire protection, construction safety, firearms safety, explosive safety, industrial hygiene, pressure safety and motor vehicle safety) for EM program operations and conditions. Occupational safety requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.17 Fire Protection

The Contractor shall maintain a fire protection program that supports a level of fire protection and fire suppression capability sufficient to minimize losses from fire and related hazards. Fire protection requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.18 Quality Assurance Program

The Contractor shall perform work on site in accordance with applicable quality assurance requirements. Quality assurance requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.19 Records Management and Document Control

The Contractor shall provide a records management program. This includes, but is not limited to, maintenance, storage, protection and disposition of active and inactive records, retrieval of archived records, and support of or to ongoing discovery efforts for litigation. All records subject to the management of the Contractor, including records created prior to the effective date of this contract, are to be inventoried, scheduled and dispositioned prior to contract closeout.

Records required for post closure Long-Term Stewardship (LTS) should be identified and managed appropriately. This includes, but is not limited to, Geographic Information System, OR Environmental Information Management System, and CERCLA and FOIA Reading Room documents. The Contractor shall provide a complete records inventory list in a hardcopy and electronic format to the post-closure records custodian identified by the CO. The Contractor shall lease and maintain a CERCLA required Reading Room through contract closeout.

C.6.20 Radiation Protection Program

Consistent with 10 CFR 835 and the Departmental Implementing Guides, the Contractor shall conduct site activities in compliance with a DOE approved Radiation Protection Program to minimize occupational exposure to internal radiation, direct, external exposure to ionizing radiation as well as to minimize the spread of contamination. The As Low As Reasonably Achievable (ALARA) process shall be applied to EM program activities. Radiation protection requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.21 Environmental Permits

Where applicable, consistent with the provisions of Section 121E of CERCLA, the Contractor shall obtain, maintain, and comply with environmental permits as required and allowed by law such as, but not limited to, the RCRA; the substantive requirements of the CERCLA; the Clean Air Act; the Clean Water Act; and the OR FFA. Environmental protection requirements are stipulated in the List of Applicable Directives, Appendix E.

C.6.22 Long-Term Stewardship

The Contractor shall consider LTS issues in the cleanup decision-making processes. Even though the LTS activities after site closure are not included in the scope of this contract, the activities, plans, and infrastructures needed to provide for the site's successful transition to LTS are included.

The Contractor shall support DOE in its efforts to provide properly placed institutional controls and engineered controls that are consistent with the CERCLA commitments. The Contractor shall provide surveillance and maintenance required to maintain protectiveness prior to cleanup, monitor to assess the effectiveness of cleanup, and coordinate environmental monitoring throughout the ORR.

The Contractor shall assist DOE's analysis of site transfer readiness into LTS. The readiness analysis shall include the following: authority and accountability, site conditions, engineered controls, institutional controls, regulatory requirements, management of financial and human resources, information management, public outreach, and management of natural, cultural and historical resources.

The Contractor shall assist DOE in coordination and communication regarding LTS planning and transition with involved parties including local stakeholders and regulators.

The Contractor shall assist DOE with the development and distribution of the annual report on the effectiveness of institutional and engineering controls for transferred property. This applies to the property transferred to CROET prior to the completion of this contract.

C.6.23 Support for Natural Resource Damage Assessment

The Contractor shall provide support to DOE for the purpose of complying with the Natural Resource Damage Assessment requirements under Section 107(a) and 120(a) of CERCLA. DOE is liable for damages for injury to, destruction of, or loss of natural resources, including the cost of assessing such damage. CERCLA and the National Contingency Plan establish DOE as both a CERCLA lead response agency on Department facilities and a trustee for natural resources under its jurisdiction. As such, the Department must respond to releases of hazardous substances from DOE's facilities, and is liable for the restoration of natural resources that are lost or injured as a result of such releases or from the response actions.

C.6.24 Historic Preservation / Cultural Resources

The Contractor shall ensure that cultural resource management issues are considered early in the environmental cleanup decision-making process, and shall ensure compliance with applicable laws governing cultural resources and historic preservation such as, but not limited to, the National Historic Preservation Act (NHPA), the Archaeological Resources Protection Act (ARPA), the Archaeological and Historic Preservation Act, the Native American Graves Protection and Repatriation Act of 1990 (NAGPRA), and Executive Orders 11593 and 13287. The Contractor is to support DOE by ensuring that information needed to comply with these requirements is collected and compiled, processes prescribed by these requirements are followed, and that necessary reports are prepared and submitted in a timely manner. This support will include, but not be limited to, development and/or implementation of any Memorandum of Agreement(s) with related actions required for compliance.

C.6.25 Facilities and Materials Reuse Programs

The Contractor shall provide staff support to the DOE Facilities and Materials Reuse program in the area of recycling and materials reuse. The scope includes support for development of metals release and recycle policy, assessment of options for metal recycle for D&D and waste management, recycling existing surplus metal and equipment inventories, and implementing a process for disposition of project-generated scrap metal and surplus equipment.

C.7 ABBREVIATIONS AND ACRONYMS

ALARA As Low As Reasonably Achievable

AM Action Memorandum

ANS American National Society

ANSI American National Standards Institute, Inc.

BCV Bear Creek Valley
BOP Balance of Program
BV Bethel Valley

CERCLA Comprehensive Environmental Response, Compensation

and Liability Act of 1980

CFR Code of Federal Regulations
CNF Central Neutralization Facility

CO Contracting Officer

CROET Community Reuse Organization of East Tennessee

D&D Decontamination and Demolition DOE U.S. Department of Energy

EEVOC East End Volatile Organic Compound

EM Environmental Management

EMWMF Environmental Management Waste Management Facility

ER Environmental Restoration
ES&H Environment, Safety and Health
ESD Explanation of Significant Differences
ETTP East Tennessee Technology Park
FFCA Federal Facility Compliance Act
FFA Federal Facility Agreement
FOIA Freedom of Information Act

FY Fiscal Year

HFIR High Flux Isotope Reactor

HRE Homogeneous Reactor Experiment

INEEL Idaho National Engineering and Environmental Laboratory

ISV In Situ Vitrification LCB Life-Cycle Baseline

LDR Land Disposal Restrictions

LUC Land Use Controls

LLLW Liquid Low-Level Waste

LLW Low-Level Waste

LTS Long-Term Stewardship MLLW Mixed Low-Level Waste

MSRE Molten Salt Reactor Experiment

MV Melton Valley

MVST Melton Valley Storage Tanks

MW Mixed Waste
NaF Sodium Fluoride
NG Newly Generated

NHF New Hydrofracture Facility

NNSA National Nuclear Security Administration

NTS Nevada Test Site

OPSEC

OR Oak Ridge

ORNL Oak Ridge National Laboratory

ORR Oak Ridge Reservation
PCB Polychlorinated Biphenyl
PMP Performance Management Plan

RA Remedial Action

RAR Remedial Action Report

RCRA Resource Conservation and Recovery Act

ROD Record of Decision SC Office of Science

SIOU Surface Impoundments Operable Unit

SNF Spent Nuclear Fuel
SNM Special Nuclear Material
SOW Statement of Work
STP Site Treatment Plan
SWSA Solid Waste Storage Area

TDEC Tennessee Department of Environment and Conversation

TRU Transuranic

TSCA Toxic Substance Control Act

TSCAI Toxic Substance Control Act Incinerator

UEFPC Upper East Fork Poplar Creek

UF₆ Uranium Fluoride

WAC Waste Acceptance Criteria WIPP Waste Isolation Pilot Plant

WM Waste Management